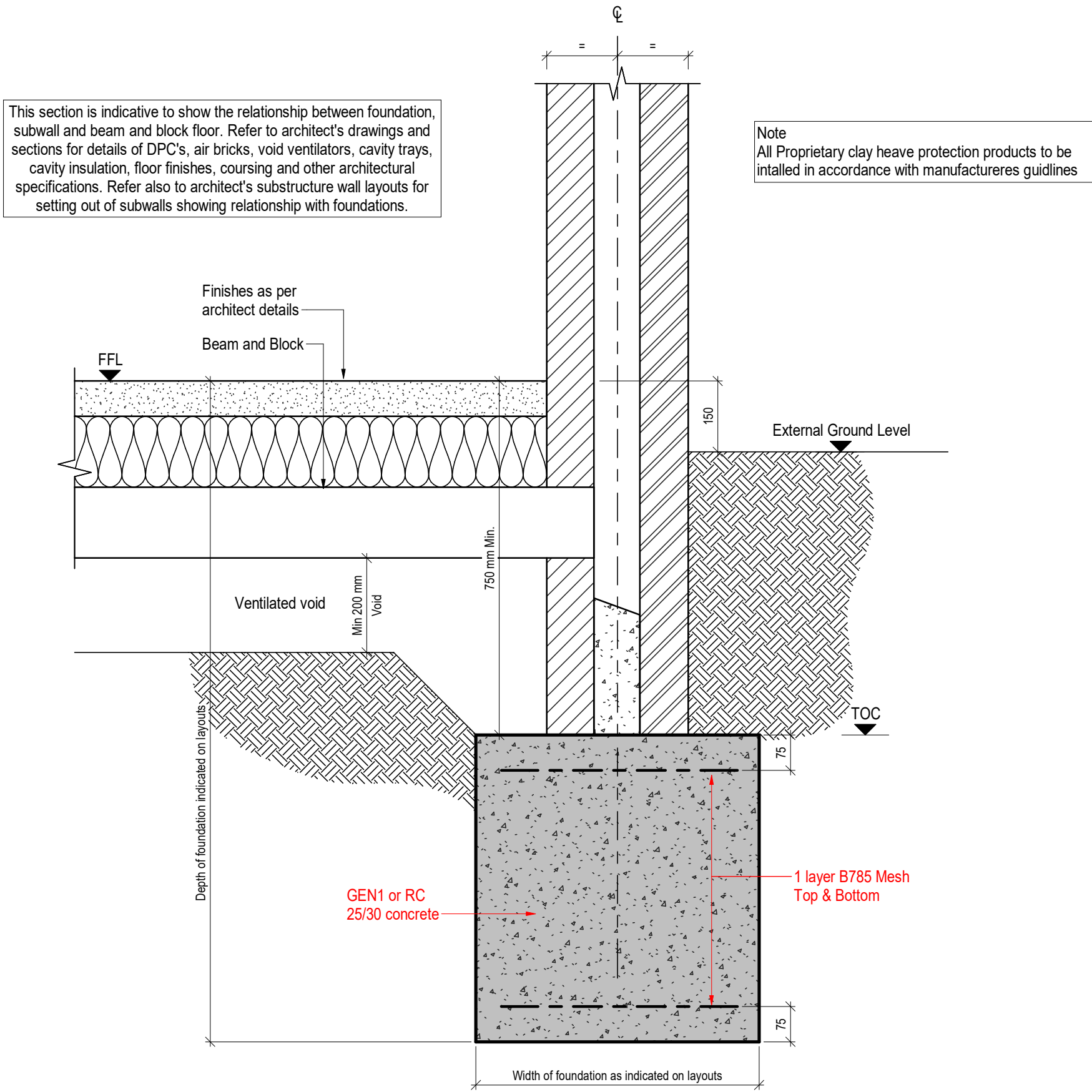
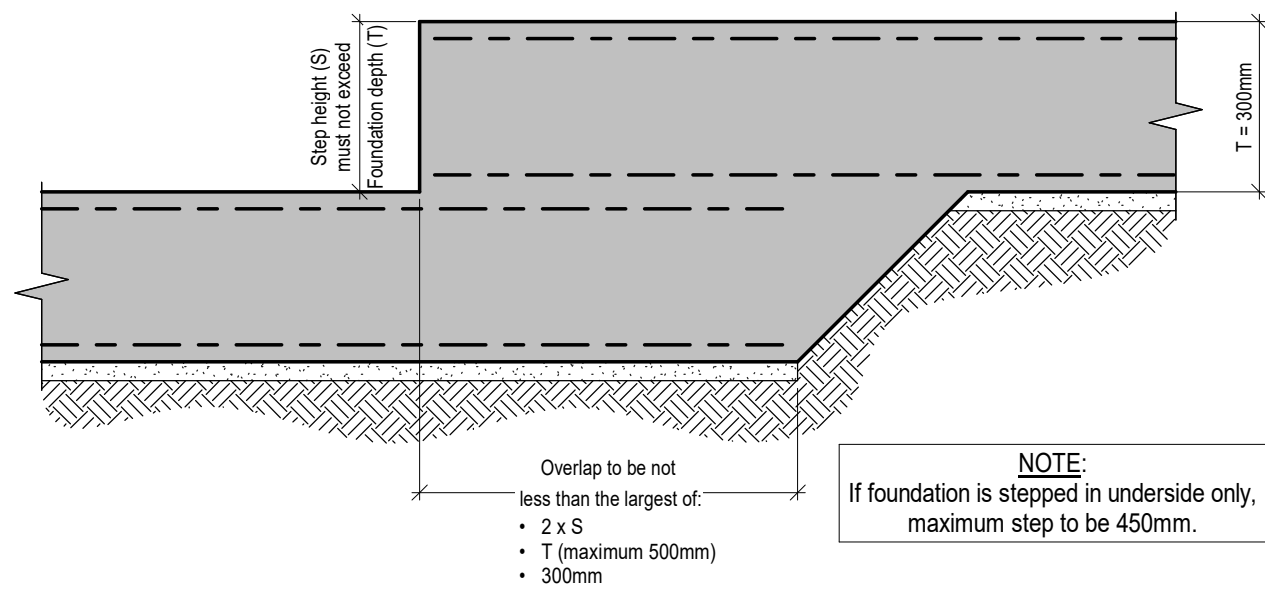
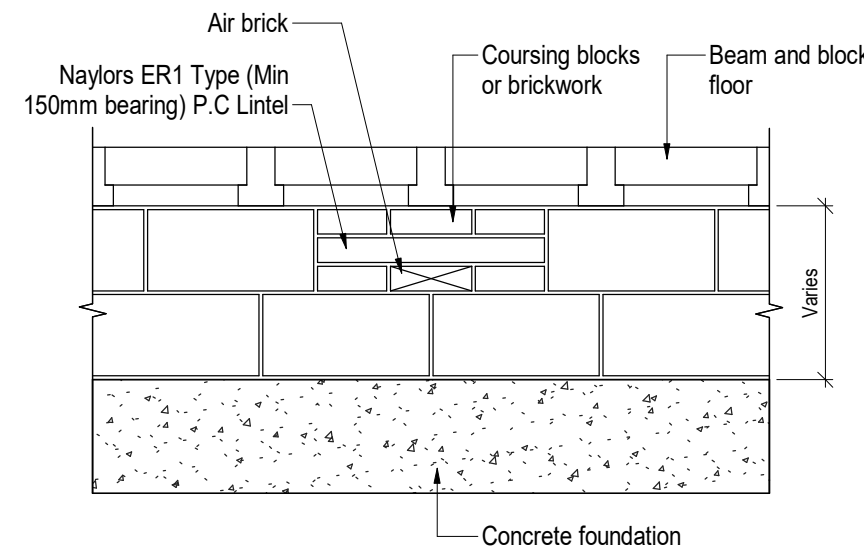




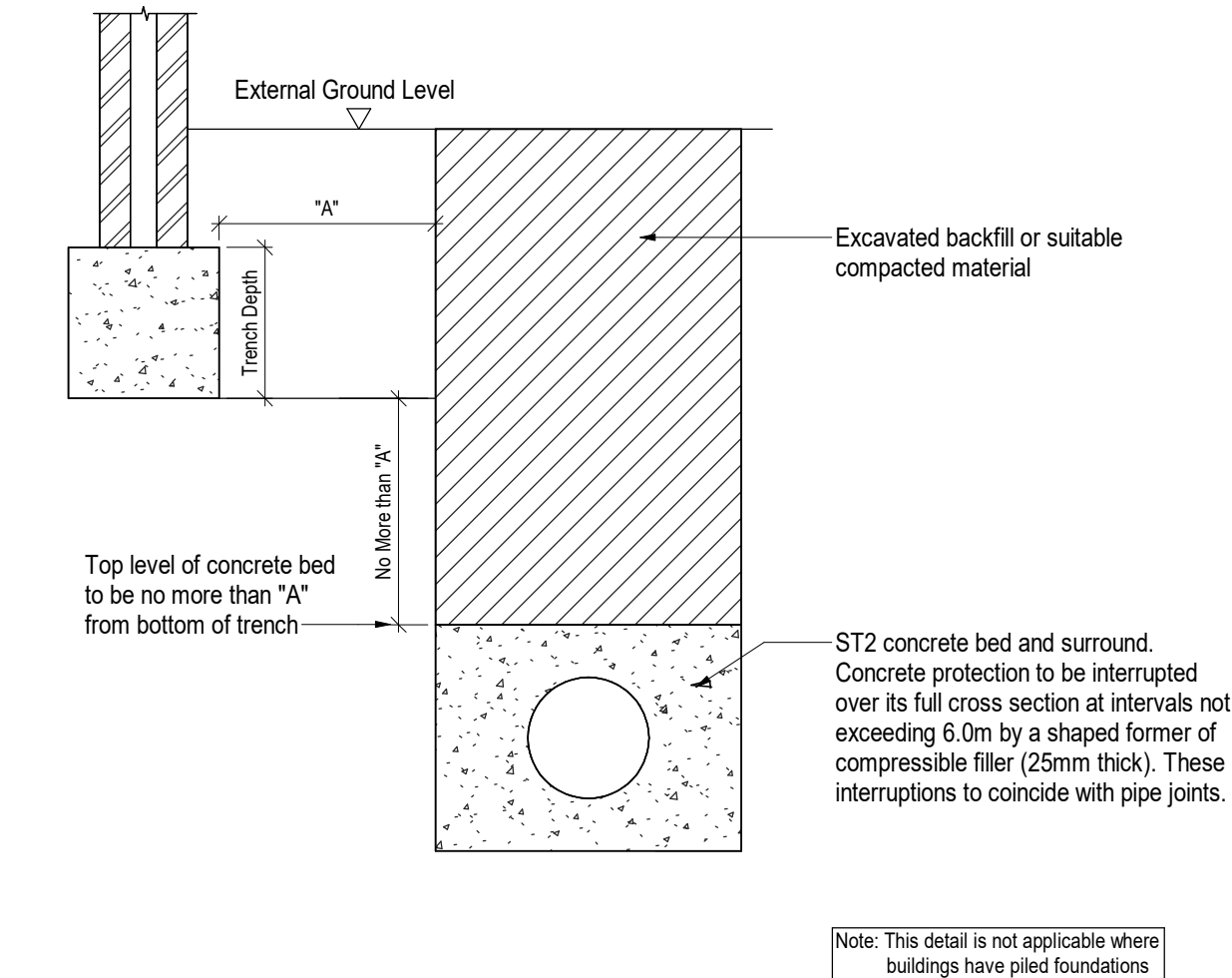
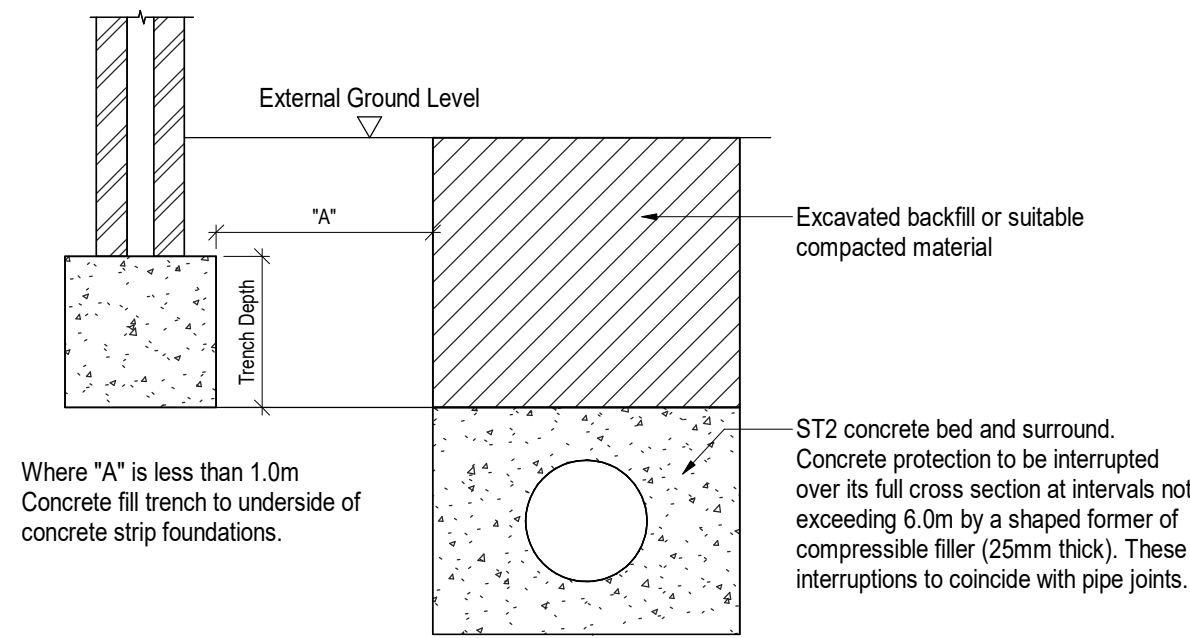
Typical Substructure Section - Low Clay Heave Potential Soils
Scale 1 : 10



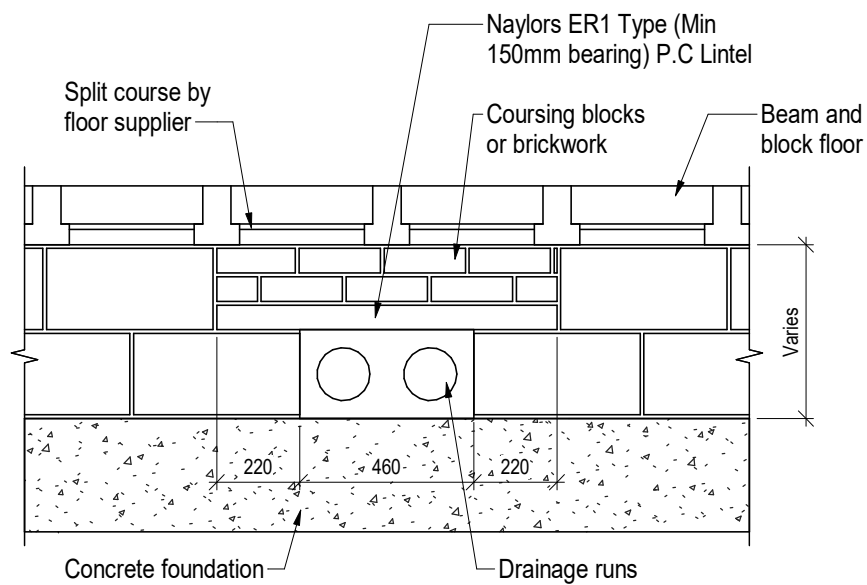
Typical Detail For Step in Top and Underside of Strip Foundation
Scale 1 : 20



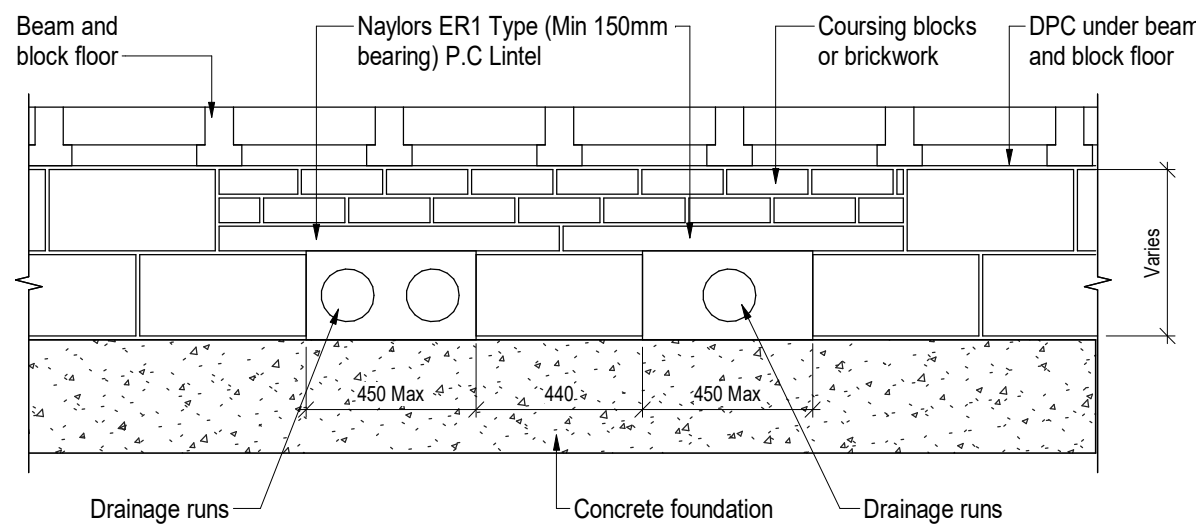
Substructure Walls Air Brick Opening
Scale 1:20



Drainage & Service Runs Near Building
Scale 1 : 20



Substructure Walls Service Penetrations Single Opening
Scale 1:20



Substructure Walls Service Penetrations Larger Opening
Scale 1:20

General Foundation Notes:

- This drawing is to be read in conjunction with all relevant Engineer's, Architect's, Civil Engineering, M&E Designer's and Specialist Subcontractor and drawings and specifications.
- LDE details are indicative, refer to the Architects drawings for:
 - General sections and details.
 - Incoming service penetration setting out.
 - Sub-wall setting out.
 - Floor span direction.
 - Airbrick locations.
 - DPC, DPM and cavity tray arrangement.
 - Floor finishes.
 - Brickwork and blockwork coursing.
 - Gas and radon protection membrane details.
- Refer to the following LDE Specifications:
 - 134691: NBS Specification for Piling and Associated Works dated Sept 2025.
 - 134691: Specification for Low Rise Housing dated Sept 2025.
- Refer to the following geo-environmental technical reports for ground conditions and recommendations:
 - Reference: 2689.
 - Title: Ground Solve Ltd Phase II Geotechnical report
 - Dated: April 2022.
 - By: Ground Solve Ltd.
- For site levels refer to LDE drawing 882930-40-13 Rev P1.
- All subwalls to be constructed using blocks of either:
 - Minimum 7.3 N/mm² strength.
 - Minimum dry density of 1500 kg/m³.
- Ground Floor Structure:
 - Floor beam arrangement must be co-ordinated with windpost locations indicated on architect's substructure layouts. Refer to LDE Timber Floor Typical Timber Floor Detail Drawing Windposts Details.
- Shed and similar ancillary foundations refer to client standard details.
- Concrete mix (satisfying design class DC-1 for design sulphate class DS-1 and ACCE class of AC-1 of BRE Special Digest 1 (2005) "Concrete in Aggressive Ground") to be:
 - Unreinforced Trench Fill Foundations: GEN1
 - Reinforced Trench Fill Foundations: RC28/35
- The foundations should be brought up to 750mm below finished floor level for houses & flats and 450mm below finished floor level for garages unless the contractor wishes to minimise the depth of concrete and thus increase the height of the substructure blockwork accordingly (with due regard to providing sufficient room for services and drainage to pass over foundations).
- Garage FFL's to be 150mm below house FFL U.N.O.

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

Refer to drawing 134691-LDE-XX-00-DR-ST-0001

LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.

Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Substructure Notes For Trench Fill:

- Refer to LDE drawings as follows:

Notes: 134691-LDE-XX-00-DR-ST-0003 & 0004

Typical Sections and Details: 134691-LDE-XX-00-DR-ST-0003 & 0004

Foundation depths and tree influence zones : 134691-LDE-XX-00-DR-ST-0001

Heave Precaution: 134691-LDE-XX-00-DR-ST-0001
- Foundation width is 450mm U.N.O.If Heave Precaution required due to tree influence, perimeter foundations minimum width increased to 600mm to accommodate Clayguard.
- Centre lines of foundations to be centre lines of walls U.N.O.
- Foundations to contain precautionary nominal mesh reinforcement due to variable ground conditions. Introduce C503 mesh (min) top and bottom with main bars running along the line of the foundation. Cover to reinforcement to be a minimum of 50mm. This must be increased to 75mm where concrete is cast against earth faces (sides and underside if blinding is not used).
- Contractor to check handing and setting out of all plots are checked against the latest Architects drawings before excavation and pouring of foundations.
- Foundation thickness minimums based on widths shown in the table below.
- Refer to the below table for Concrete Specification.

Concrete Specification	
Concrete Grade:	C28/35
Minimum Bearing Pressure:	75kN/m ²
Reinforced:	Yes
Volume Change Potential:	Low
Heave Precautions Requirement:	No

Foundation width (mm)	Foundation thickness min. (mm)
450-600	225
750-900	300
1050	400
1200	450
1350	525
1500	600
1650	675
1800	750

P1	30.09.2025	Preliminary		DB	AS	VV
Rev	Date	Amendment		Drawn	Chkd	Appd

LDE
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SALBOY

Project Title
DAISY BANK FARM

Status
PRELIMINARY

Drawing Title
**TRENCH FILL FOUNDATION
DETAILS - LOW VCP**

Drawn	Date	Checked	Date	Approved	Date
DB	30.09.2025	AS	30.09.2025	VV	30.09.2025
Scale		Orig Size	Dimensions		
As indicated		A1	mm		
RSK Project No. 134691			File Name 134691-LDE-XX-XX-M3-ST-80-0000		
Drawing Reference.					Rev.
134691	LDE	XX	00	DR	ST
0004					P1
Project No.	Company	Block	Level	Type	Disc.
Draw. No.					
Scale 					